

ASAP~~PRELIMINARY ISSUE~~

Work Order ID 62703

Wednesday, October 06, 2010 11:27:03 AM

POSITIVE
RECALL

Page 1

Item ID: D4176-1

Revision ID: PRELIM

Item Name: 429 Clamp, Top

Start Date: 10/6/2010 Start Qty: 6.00

Accept

Setup

Start

Required Date: 10/15/2010 Req'd Qty: 6.00



Cust Item ID:

Reference:

Customer:

Approvals:

Process Plan:

*H*Date: 10/06/10

Tooling:

Date: _____

Run

Start



QC:

Date: _____

SPC (Y/N):

Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4176	<i>PAT A 98</i>

100	0.00
-----	------



Waterjet

FLOW CNC Waterjet

304 .080

Memo

0.00

FB10-10-7

1-Cut as per Dwg

Dwg Rev: *PAI*Prog Rev: *PAI*

2-Deburr if necessary

110	QC2- Inspect parts off machine FAI/FAIB	0.00
-----	---	------



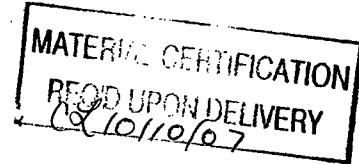
QC

Memo

0.00

FB10-10-7

Quality Control



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 62703

Wednesday, October 06, 2010 11:27:03 AM



Page 2

Item ID: D4176-1

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: 429 Clamp, Top

Start Date: 10/6/2010 Start Qty: 6.00



Cust Item ID:

Required Date: 10/15/2010 Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC8- Inspect parts - second check

0.00 - *inspected to PAI*

QC

Quality Control

*Dry only**8/10/07**(NC)*

130

Form as per dwg

0.00



Brake NC

Brake NC

140

QC5- Inspect part completeness to step on W/O

0.00 - *measured to PAI*

QC

Quality Control

*didn't test**Fit part!**8/10/07**(+10)**SO 10/10/07**(10)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 62703

Page 3

Wednesday, October 06, 2010 11:27:03 AM

Item ID: D4176-1

Revision ID: PRELIM

Item Name: 429 Clamp, Top

Start Date: 10/6/2010 Start Qty: 6.00

Accept



Setup Start



Required Date: 10/15/2010 Req'd Qty: 6.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
Number

Insp.

Stamp

150



Identify as per dwg & Stock Location:

0.00

MF 10-11-15

Packaging

Packaging

Memo

0.00

160



QC21- Final Inspection - Work Order Release

0.00

MF for Rev A 10-10-15
TEST 10-10-15

QC

Quality Control

Memo

0.00

~~OK 10/10/15~~ ~~10/10/15~~ QC21 TO REV A 10-10-15

9 WERE SENT TO TORONTO FOR FIGHT TEST & RETURNED TO DAS BN.

1 TO BE STOCKED.

10-11-15
J. Carr, JR.
RDI3ANW

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, October 06, 2010 11:27:06 AM

Page 1

Work Order ID: 62703



Parent Item: D4176-1



Parent Item Name: 429 Clamp, Top

Start Date: 10/6/2010

Required Date: 10/15/2010

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP Rev:A 10.09.29 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S14GA 		Purchased	No			100	sf	105.3108	0.0403	0.254526	8		
304SS sheet .080												HB10-10-7	

Location	Loc Qty	Loc Code
MAT20	105.3108	
113295	105.3108	

113295

(10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

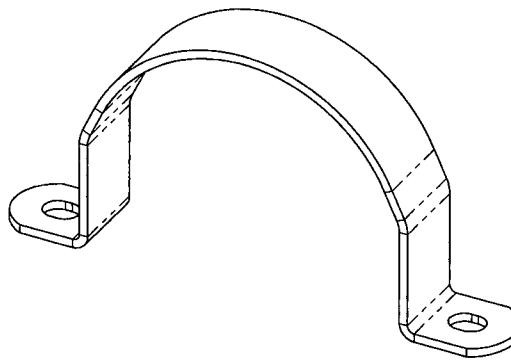
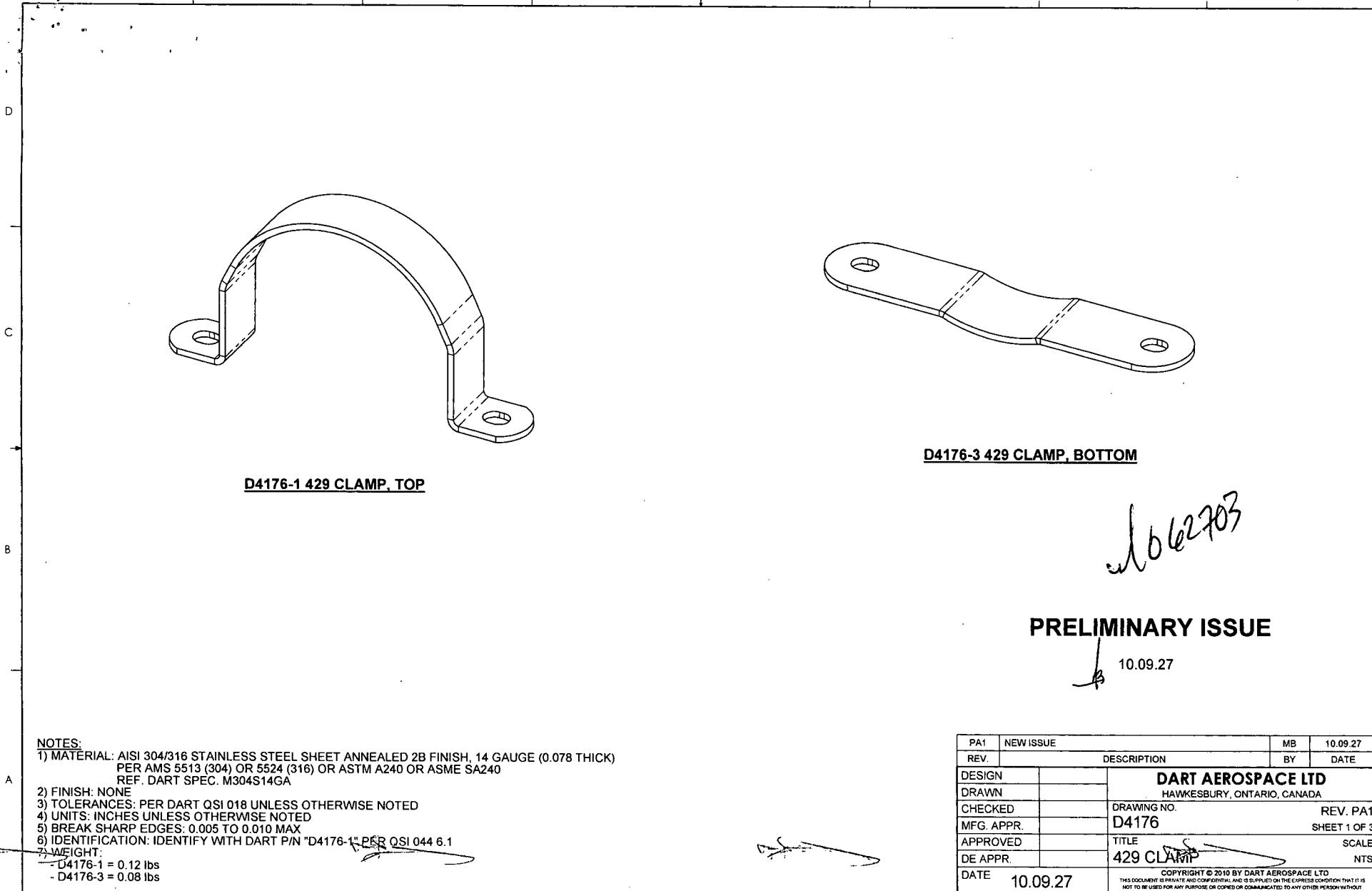
DART AEROSPACE LTD	Work Order:	62703
Description: 409 CLAMP TOP	Part Number:	D4176-1
Inspection Dwg: D4176-1 Rev: P41		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

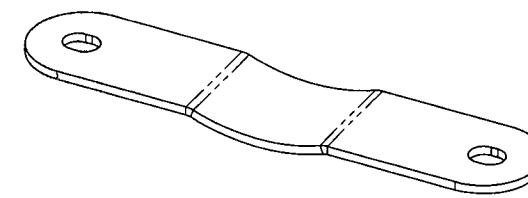
X First Article Prototype

Measured by:	<u>RB</u>	Audited by:	<u>S</u>	Prototype Approval:	N/A
Date:	10-10-7	Date:	10/10/07 Inspector to PAI by any	Date:	N/A
Rev	Date	Change		Revised by	Approved
A		New Issue		KJ/JLM	

8 7 6 5 4 3 2 1



D4176-1 429 CLAMP, TOP



D4176-3 429 CLAMP, BOTTOM

1662703

PRELIMINARY ISSUE

10.09.27

NOTES:

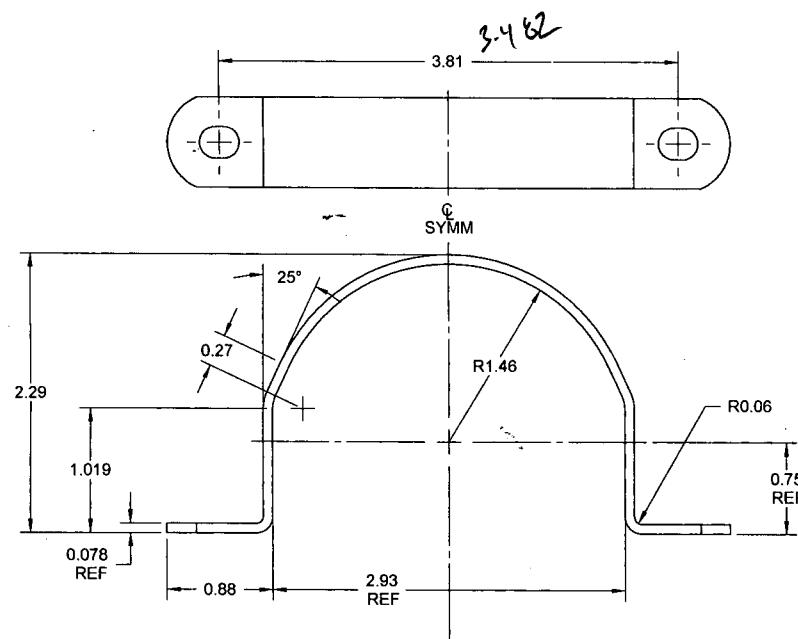
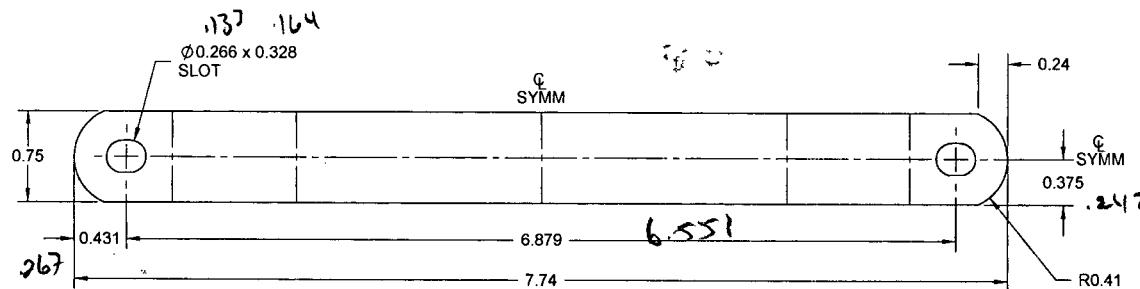
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4176-1" PER QSI 044 6.1

WEIGHT:

- D4176-1 = 0.12 lbs
- D4176-3 = 0.08 lbs

PA1	NEW ISSUE	MB	10.09.27
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		D4176	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		429 CLAMP	NTS
DATE	10.09.27	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD AND IS SUPPLIED PURSUANT TO A CONFIDENTIALITY AGREEMENT THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

8 7 6 5 4 3 2 1



W662703

PRELIMINARY ISSUE

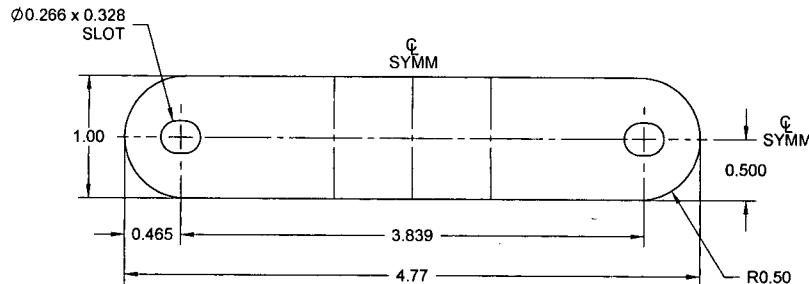
10.09.27

DESIGN	DART AEROSPACE LTD	
DRAWN	HAWKESBURY, ONTARIO, CANADA	
CHECKED		
MFG. APPR.	DRAWING NO. D4176	
APPROVED	TITLE	REV. PA1
DE APPR.	429 CLAMP	SHEET 2 OF 3
DATE	10.09.27	SCALE NTS

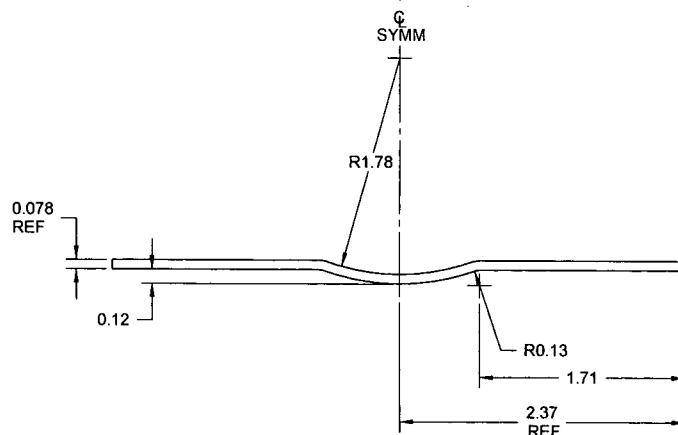
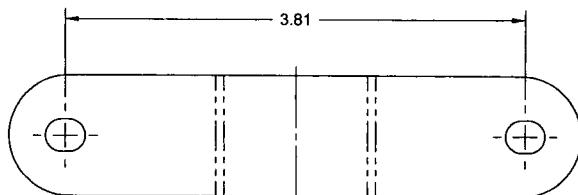
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8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



D4176-3F 429 BOTTOM CLAMP FLAT PATTERN



**D4176-3 429 CLAMP, BOTTOM
(MAKE FROM D4176-3F)**

W1062703

PRELIMINARY ISSUE

10.09.27

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	
MFG. APPR.		REV. PA1	
APPROVED		D4176	
DE APPR.		SHEET 3 OF 3	
DATE	10.09.27	TITLE	429 CLAMP
		SCALE	NTS

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8 7 6 5 4 3 2 1

D

C

B

A

Receiving Report

Date: 9/1/27

Batch No: M1/3295

Supplier: MSA/NS

Dart P/O: 10809

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr

Release Note Attached:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A
Waybill Attached:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Shipment Complete:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A
QC6 Inspection	<input checked="" type="checkbox"/>		N/A
Work Order	<u>021620</u>		N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 CH

Production/Admin: 9/1/30
 Date
 Received/Costing Initial CH

Location _____

Purchase Order Receipt Listing

Page 1 of 1

November 30, 2009 7:51:48 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10809 Receipt Dates from 11/30/2009 to 11/30/2009 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt	
VendorID\Vendor Name												
		VC-MAG002	Magna Stainless									
PO10809	1		M304S14GA	sf		11/24/2009 11/30/2009		160.0000	\$7.50	0.0000	0	\$1,200.00
CAD	No		304SS sheet .080	sf		160.0000	Stores		\$1,200.00	0.0000	0	
			113295									
	2		M304S16GA	sf		11/24/2009 11/30/2009		320.0000	\$5.31	0.0000	0	\$1,700.00
	No		304/316 Sheet .063	sf		320.0000	Stores		\$1,700.00	0.0000	0	
			113295									
	3		M304R1.750	f		11/24/2009 11/30/2009		12.1000	\$20.58	0.0000	0	\$249.05
	No		304 ROUND BAR	f		12.0000	Stores		\$249.05	0.0000	0	
			1.750									
			113295									
	4		M303R0.750	f		11/24/2009 11/30/2009		12.1000	\$3.83	0.0000	0	\$46.38
	No		303 Round Bar 0.750	f		12.0000	Stores		\$46.38	0.0000	0	
			113295									
											Total Received Quantity: 504.2000	
											Total Qty to Inspect (PO U/M): 0.0000	
											Total Reject Quantity: 0.0000	
											Total Receipt Value: \$3,195.44	
											Total Balance Due Quantity: 0.0000	

MAGNA**Magna Stainless**

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
 Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

SOLD TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON
 K6A 1K7
Contact: CHANTAL

SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON
 K6A 1K7
Ship Terms: PREPAID **MTR:Y**

PACKING LIST

Page 1 of 1

I020078

SPECIAL INSTRUCTIONS

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	P010809	
Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W021806	NET 30 DAYS	NIR:R-557065-1	11/20/09	11/27/09	11/27/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	STAINLESS ROUNDS SRB 304 1-3/4" x R/L	12'10" 100 LB / 1 PC	L029520 79354	1
1		PC	SRB 303 3/4" x R/L	12'1" 20 LB / 1 PC	L031096 423312	1
5		PC	STAINLESS SHEET SSH 304 2B 14ga x 48" x 96"	525 LB / 5 PC	C030389 829393	5
10		PC	MUST USE HT # 829393 SSH 304 2B 16ga x 48" x 96"	840 LB / 10 PC	A030388 829394	10
				<i>PC9111/27</i>		
Bundles: 1	Skids: 1			Approx	Weight:	1,485 LB

Received by: _____ Date: _____ Signature: _____

VIRAJ PROFILES LIMITED

10 IMPERIAL CHAMBERS, FIRST FLOOR,
WILSON ROAD BALLARD ESTATE
MUMBAI 400 038 INDIA

CUSTOMER:
MAGNA STAINLESS INC (DIV OF CANADIAN
SPECIALTY METALS INC.)
5775 RUE KIERAN ST LAURENT
QUEBEC H4S 0A3

INSPECTION CERTIFICATE

ORDER NO. P003627 PACKING LIST NO. IMP/102069 INSPECTION NO. IMP/102069/B

BUNDLE NO. 2051172

DATE
19/05/2009

GRADE
T-304/304L

DESCRIPTION:
STAINLESS STEEL ROUND BARS L/C NO. I700448 DT. 16/06/2009

S 09/11/30 Q 09/11/30

PEELED & POLISHED

SIZE (IN)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
1 3/4	ROUND	ASTM A484	12 RL	13	1369

CHEMICAL ANALYSIS

HEAT NO.	79354	C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
		0.022	1.44	0.42	0.024	0.036	8.05	18.10	0.50	0.48	0.081	0.12

TEST RESULT

2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
44	92	56	70	185	6

Specification:

MATERIAL CONFORMS TO ASTM A 276-08,COND.A, A 479/479M-06a, C OND.A, A 183/193M06a & A320/320M-05a B8 CL1,A484-06b, A 182/182M-05 COND.A, ASME SA 479-98,COND.A, SA 193-98 B8 CL1, SA 320-98 B8 CL1, SA-182-98 (CHEMISTRY ONLY). NACE MR0175-2002. AMS QQ-S-763B-06,COND.A, (EXCEPT MARKING),AMS 5639G/5847H(EXCEPT MARKING) INTERGRANULAR CORROSION TEST AS PER ASTM A 262-02a PRACTICE E, GRAIN SIZE AS PER ASTM E112-98a1 IMPROVED MACHINABILITY QUALITY,UNS-S-30400/S-30403 CERTIFICATE AS PER EN 10204-3.1.

Remarks:

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINOUS MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/inch, WATER QUENCHED, MELT SOURCE AOD, MELT & MANUFACTURED IN INDIA. COUNTRY OF ORIGIN: INDIA. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.



WORKS INSPECTOR

Acciaierie Valbruna s.p.a.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Buyer/Purchaser/Cliant
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Horstfertiger/Usine productrice

Avviso di Spedizione: D-VI09017149
Lieferanzeige/Packing Note/L.

Ordine nr: 907002333 Stock - Canada
Bestell-Nr./Your order/Commande

Oggetto Prove: - Annealed Cold Drawn
Prüfungsergebnis Item Impacto/Findaggio

Tipo di Elaborazione: E+AOD
Erhitzung/Anheizung/Melting process/Mode d'élaboration

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

Certificato nr: MEST774991/2009/
Prüfung/Tes/Esso!

Conferma ordine nr: EI09004135
Werks/Our Order/Réf. nr.

Marchio di Fabbriac:
Zetkun des Lieferwerkes
Tindo mark
Signature de l'usine productrice

Puntzone del Collaudatore:
Stampo des Werksachverständigen
Inspector's stamp/Pointon de l'assayeur



ASME SA326 2007 B8F (0)
ASTM A582 2005 S30300
QQ-S-764-B/2 303

Specifiche:
Anforderungen / Requirements / Exigences

VAL CANADA 2 303 A,CF
ASTM A314 2008 S30300
DOD-F-24669 6 S30300
(0) SEC.II PT.A 2007 EDITION ADD. 2008a

AMS 5640 U TYPE1
ASTM A320 2008 B8F
MIL-S-862 B/1 303

Qualità: 303

Werksfertig/Gefertigt/Nous

Marca: MV188ZHS MAXIVAL

Markenbezeichnung/Brand/Indication

Pos. nr. Ref. n. No. de posa	Objetto Oggetto Produkt Produit Descripción Produkt, du produit	Dimensioni - Abmessungen Dimensions Dimensions	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Saut Coulée	Pezzi Stückzah Peces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot n.
0010	Round	0,7500	484-06B	146 / 147	423312		4.744	834700760

Sono state soddisfatte tutte le condizioni richieste
Die gesetzten Anforderungen sind erfüllt.
The material has been hardened in accordance with the requirements.
Le material a été trouvé conforme aux exigences.

Controllo antimescolanza: OK
Vernebelungsprüfung: spezifisch/technisch durchgeführt.
Antimisting testing performed: OK
Contrôle antimolange: Icht: r.o.s.

Controllo visivo e dimensionale: soddisfa le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks:satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST ALLO STATO DI FORNITURA										
Test on delivery condition			Prüfung auf lieferbereitem produkt			test a fatto da forniture			Prueba sobre el material así como entregado	
TEST	Provetta/Prova Specimen/Spezielle Probekörper/Prob Especímen/Prob Prob/échantillon mm	°F Post. Segno Prüfung Temperature n	Snervamento Spannung Yield Stress Umfang Rp 0,2% k.s.i.	Snervamento Spannung Yield Stress Umfang Rp 0,2% k.s.i.	Resistenza Zugfestigkeit Tensile strength Resistencia a la tracción Rm k.s.i.	Allungamento Dehnung Elongation Allongement	Strizione Elastizität Elasticidad Flexion at 50% Bridging RA	Resilienza Kerbzähigkeit Resistencia Resistencia	Durezza Härte Härte Dureza HB	
Valori richiesti 1 Anforderungen/required values Valores demandados	min Anforderungen values Valores demandados	max	30	-	75	-	35	-	50	-
A	12,5	68	L	70		101		43	51	140 241
										239

Tl=longitudinal/tangential, Tr=transversal/quer, O=Transversale/tangential

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata #hot Schmelze/Coulée	min - max 0,150	1,00	2,00	17,00	19,00	0,00	1,00	8,00 10,00	-	0,15	0,15 0,40	0,400	-	-	-	-	
423312	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %						

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0,5h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s.,4.3 by TUEV and LLOYD'S

Vicenza, 29/07/09

VCO010
(Prod. MCER)

Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine

M.Rizzoli

Pagina - 1 di 1

P606632 - 423312

P005349 - 829393

NOTICE OF SHIPMENT/
PACKING LIST



AL 6168-3 908

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE			CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
05349	FORMS DISTRIBUTION	106/05/09	574738	VANDERGRIFT, PA.	427038	13020102060000	30-069-202	08/06/09
SOLD TO	SHIP TO	SPEC	REPEAT ORDER	DO RATE	PRI ORITY	GOVT CONTRACT	SHIPPING LOCATION	INVOICE
			94045-0	28		7219.14.0000	MATL.	PA 668451

SOLD TO
MAGNA STAINLESS
5775 KIERAN ST.
QUEBEC CANADA H4S 0A3
SAINT-LAURENT

PRIME SEC.
DSO DSO
20 COILEX
1450 GRAHAM BELL
QUEBEC ZIP CODE: J4B 6H5
BOUCHERVILLE CN

8
09/11/30

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09)
(ASTM-A-480-09)

CARRIER - CUSTOMER TRUCK

ITEM PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/ CD	SKID #
001	1 48/.075/2021 C CUST IDENTITY 304B075X48 1 SKID	829393	07109N172	8763075	21130	50	21080	651551		

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST
HEAT 829393

--C--- --MN-- --P--- --S--- --SI-- --CR-- --NI-- --N---
.05 .97 .033 .0005 .44 18.2 8.1 .07

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	GRAIN SIZE	HARDENABILITY
001 8763075	T 48000.	92500.	55.	NR	83.HRBW	NR	NR	NR

* Y.S. BY 0.2% OFFSET METHOD

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

08/06/09 11:37:26

CONSIGNEE..Please Note-This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-6577. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-6577. Attention: les traitements entraînent la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of date on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Tracy McFarland
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



AL 6168-3 908

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
05349	1	06/05/09	574738	VANDERGRIFT, PA.	427038	13020102060000	08/06/09
SOLD TO	FORMS DISTRIBUTION		REPEAT ORDER	DO PRI RATE ORITY	GOVT CONTRACT	MATL.	SHIPPING LOCATION
			94045-0	28	7219.14.0000	1121	VANDERGRIFT
						PA	668451
SOLD TO			PRIME SEC.	DSO DSO	COILEX	SHIP TO	
MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT				20	1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN		

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09)
(ASTM-A-480-09)

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 17 DATED 05/12/2008. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001. DIN EN 10204:2005 - 3.1. ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD-MERK BLATT WO/TRD100 AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR A NADCAP AND ISO/IEC 17025 ACCREDITED LABORATORY.

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:
C,S BY COMBUSTION/INFRARED
N,O,H BY INERT FUSION/THERMAL CONDUCTIVITY
MN,P,SI,CR,NI,MO,CU,CB,CO,V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB,BI,AG BY GFAA

<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>
<<<<<< REGISTER AT WWW.ALCEXTRA.COM >>>>>>

PAGE 02 - FINAL PAGE.

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Tracy McFarland
Director, Corporate Quality Assurance

P005349_82934

NOTICE OF SHIPMENT/
PACKING LIST



AL 6168-3 908

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE		CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
05349	FORMS DISTRIBUTION SOLD TO 1	06/05/09 574738	VANDERGRIFT, PA. REPEAT ORDER 94045-0	427038 DO RATE 28 PRB ORITY	13020102060000 GOVT CONTRACT 7219.14.0000	1121 VANDERGRIFT MATL.	30-069-187 SHIPPING LOCATION PA 668450
	SHIP TO SPEC		PRIME SEC. DSO DSO 20		SHIP TO COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN		08/06/09 INVOICE

SOLD TO
MAGNA STAINLESS
5775 KIERAN ST.
QUEBEC CANADA H4S 0A3
SAINT-LAURENT

807/4/30

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE
(ASTM-A-480-09)

CARRIER - CUSTOMER TRUCK

(ASTM-A-240-09A) (ASTM-A-370-09)

ITEM PCS DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/ CD	SKID #
001 1 48./.060/2149. C CUST IDENTITY 304B060X48 1 SKID	829394	07099N793	8763049	20670	50	20620		651358	
				20670	50	20620			

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--N--
HEAT 829394	.06	.95	.034	.0003	.47	18.2	8.1	.06

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND NR	GRAIN SIZE NR	HARDENABILITY NR
001 8763049	T 45500.	94000.	58.	NR	83.HRBW	NR	NR	NR

* Y.S. BY 0.2% OFFSET METHOD

NR = DATA NOT REQUIRED

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PAGE 01 - CONTINUED ON PAGE 02

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Tracy McFarland
Director, Corporate Quality Assurance

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AL 8168-3 908

CERTIFICATE OF TEST

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SOLD TO	SHIP TO	SPEC	REPEAT ORDER	DO RATE	PRIM. ORITY	GOVT CONTRACT	INVOICE
1			94045-0	28	7219.14.0000		
SOLD TO			PRIME	SEC.		1121 VANDERGRIFT	PA 668450
MAGNA STAINLESS			DSO	DSO		SHIP TO	
5775 KIERAN ST.			20			COILEX	
QUEBEC CANADA H4S 0A3						1450 GRAHAM BELL	
SAINT-LAURENT						QUEBEC ZIP CODE: J4B 6H5	
						BOUCHERVILLE	CN

GRADE AND SPECIFICATIONS
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(ASTM-A-480-09)

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B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
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Tracy McFarland
Director, Corporate Quality Assurance



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10809

Purchase Order Date 11/20/09
PO Print Date 11/20/09

Page Number 1 of 2

Order From : VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

FAXED
COPY

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7.
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
Vendor Part Number							
1	M304S14GA	304SS sheet .080	11/24/09 Yes	✓ 160.00 sf	Yours ppd	\$7.5000	\$1,200.00
Special Inst: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH ASPER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240							
2	M304S16GA	304/316 Sheet .063	11/24/09 Yes	✓ 320.00 sf	Yours ppd	\$5.3125	\$1,700.00
3	M304R1.750	304 ROUND BAR 1.750	11/24/09 Yes	12.00 f NEC 1210	Yours ppd ✓ Loyola	\$20.5830	\$247.00
Special Inst: AS ABOVE							
Special Inst: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: 303 NOT ACCEPTABLE)							

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 11/20/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10809

Purchase Order Date 11/20/09
PO Print Date 11/20/09

Page Number 2 of 2

Order From :

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

VC-MAG002

Contact Name
Vendor Phone 800 363 6646
Vendor Fax 514 339 1105
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB

4 M303R0.750 303 Round Bar 0.750 11/24/09 ✓ 12.00 Yours ppd \$3.8333 \$46.00

Yes f NFe 10-10 10/14/27

Special Inst: MATERIAL: AISI 303 ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

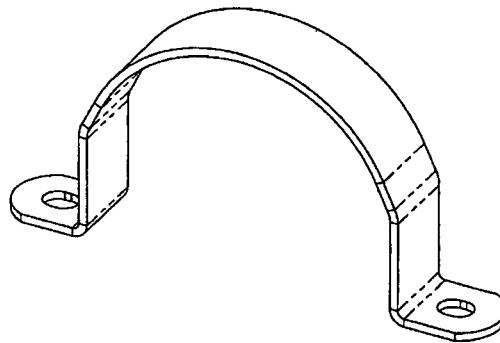
PO Total: \$3,193.00

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

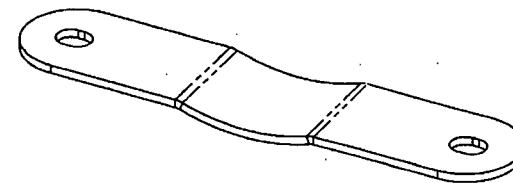
No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 11/20/09



D4176-1 429 CLAMP, TOP



D4176-3 429 CLAMP, BOTTOM

62703

RELEASED
2010-10-07
MB

- NOTES:
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240
REF. DART SPEC. M304S14GA
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4176-X" PER QSI 044 6.1
 - 7) WEIGHT:
- D4176-1 = 0.12 lbs
- D4176-3 = 0.08 lbs

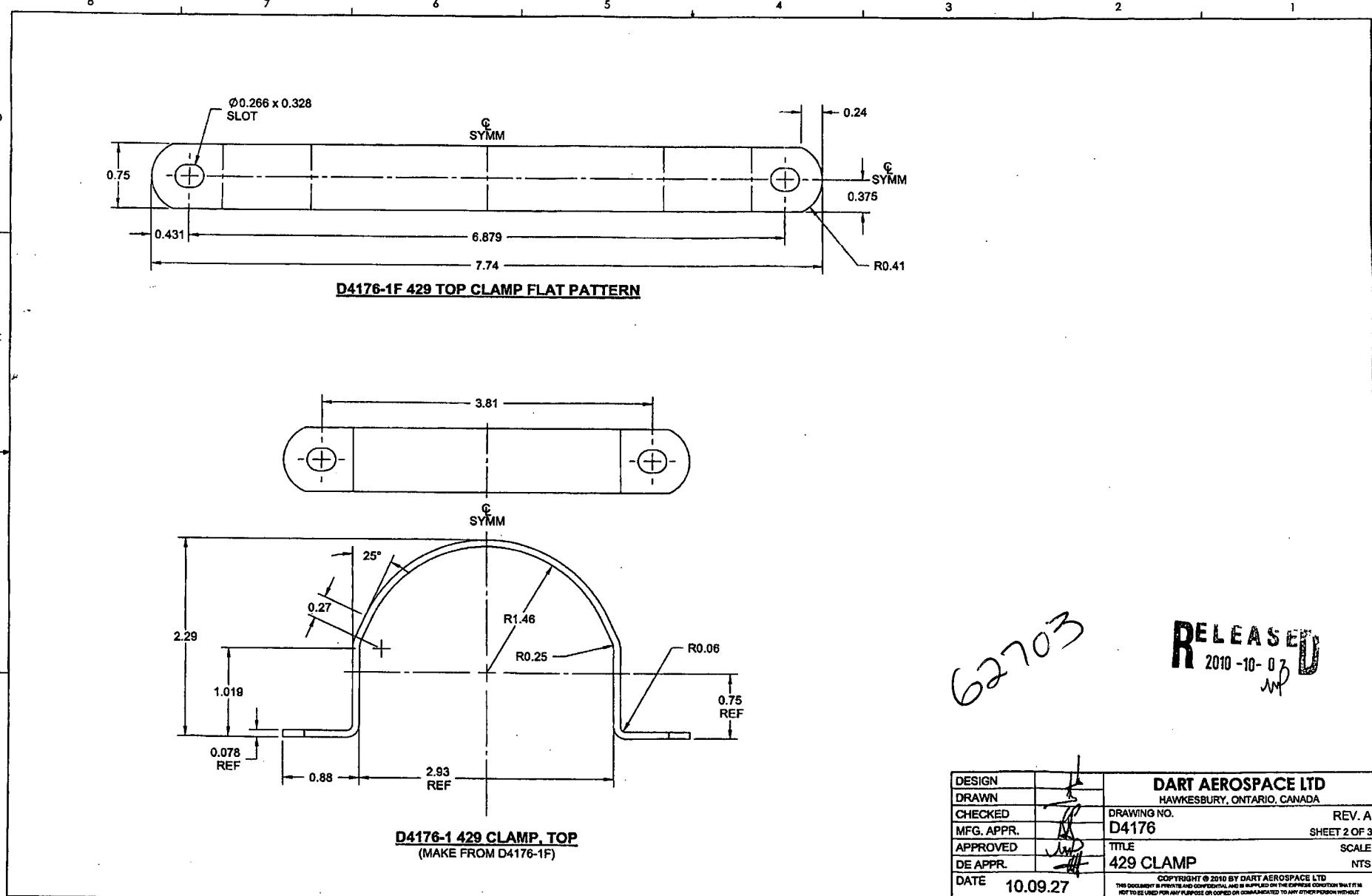
REV.	NEW ISSUE	MB	10.09.27
DESCRIPTION		BY	DATE
DESIGN	15		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.09.27	SCALE	NTS

DART AEROSPACE LTD
HAWKSBURY, ONTARIO, CANADA

DRAWING NO. D4176 REV. A
SHEET 1 OF 3

TITLE 429 CLAMP

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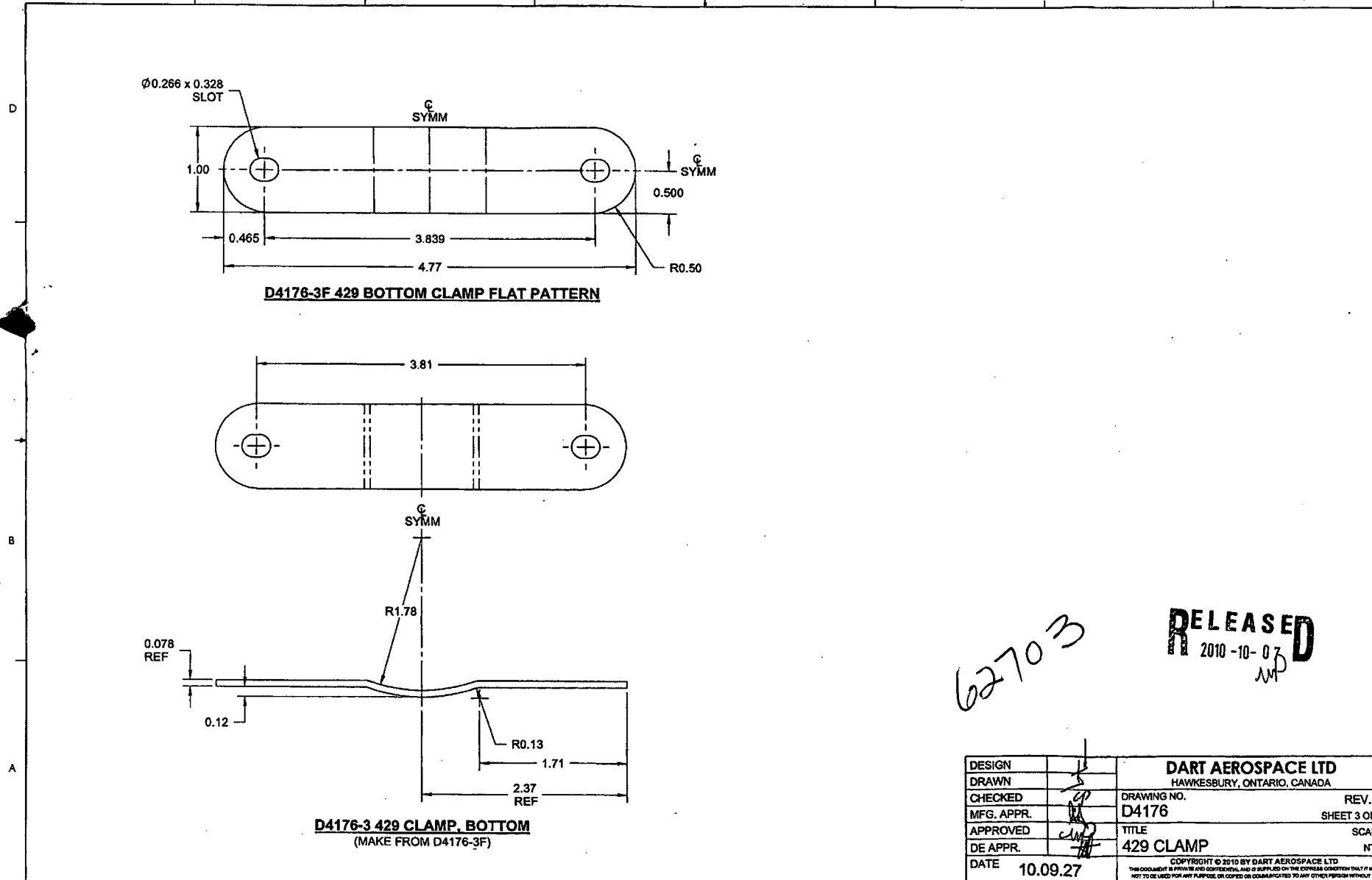


62703

RELEASED
2010-10-01
W

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO.
MFG. APPR.		D4176
APPROVED		REV. A
DE APPR.		SHEET 2 OF 3
DATE 10.09.27		TITLE 429 CLAMP
		SCALE NTS
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62703
RELEASED
2010-10-07
MP

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DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO.
MFG. APPR.	<i>[Signature]</i>	D4176
APPROVED	<i>[Signature]</i>	REV. A
DE APPR.	<i>[Signature]</i>	SHEET 3 OF 3
DATE	10.09.27	TITLE
		429 CLAMP
		SCALE
		NTS

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